

WHAT IS CLAIMED IS:

1. A printing control apparatus that carries out printing with transmission of image data to a plurality of printing devices, the plurality
5 of printing devices being capable of carrying out the printing upon input of image data expressed in a first color system and process of color conversion into image data expressed in a second color system, the printing control apparatus comprising:

10 a specification module that specifies the printing device among the plurality of printing devices for carrying out the printing;

a color conversion information setting module that sets color conversion information corresponding to the specified printing device, the color conversion information defining the color conversion; and

15 a transmission module that transmits the image data and the color conversion information to the specified printing device.

20 2. A printing control apparatus in accordance with claim 1, wherein the plurality of printing devices include a plurality of color printing devices.

25 3. A printing control apparatus in accordance with claim 1, wherein a group of color conversion information is defined in the format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system.

30 4. A printing control apparatus in accordance with claim 1, the color conversion information setting module comprising:

a color conversion information storage module that stores standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for

correcting the standard color conversion information, the multiple sets of correction data being preset to respective printing devices; and
5 a color conversion information generation module that generates the color conversion information, based on the standard color conversion information and the correction data corresponding to the specified printing device.

10 5. A printing control apparatus in accordance with claim 4, wherein the multiple sets of the standard color conversion information are preset depending on the type of printing media, and wherein the color conversion information generation module generates the color conversion information using the standard color conversion information corresponding to the type of the printing medium that is selected by a user.

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20 6. A printing control apparatus in accordance with claim 4, wherein multiple sets of the standard color conversion information are preset depending on the type of print modes, and wherein the color conversion information generation module generates the color conversion information using the standard color conversion information depending on the print mode that is selected by the user.

7. A printing control apparatus in accordance with claim 1, the specification module comprising:

25 an operating condition detection module that detects operation condition of the individual printing device, wherein the specification module specifies the printing device for carrying out the printing, based on the detected operating condition.

30 8. A printing control method for causing a plurality of printing

devices to carry out printing with transmission of image data, the plurality of printing devices being capable of carrying out the printing upon input of image data expressed in a first color system and process of color conversion into image data in a second color system, the 5 printing control method comprising the steps of:

(a) specifying the printing device among the plurality of printing devices for carrying out the printing;

(b) setting color conversion information corresponding to the specified printing device, the color conversion information defining the color 10 conversion; and

(c) transmitting the image data and the color conversion information to the specified printing device.

9. A printing control method in accordance with claim 8, wherein 15 the plurality of printing devices include a plurality of color printing devices.

10. A printing control method in accordance with claim 8, wherein a group of the color conversion information is defined in the 20 format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system.

11. A printing control method in accordance with claim 8, the step (b) comprising the steps of:

25 preparing standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for correcting the standard color conversion information, the correction data being preset to respective printing devices; and

generating the color conversion information, based on the 30 standard color conversion information and the correction data

corresponding to the specified printing device.

12. A printing control method in accordance with claim 11,
wherein the multiple sets of the standard color conversion
5 information are preset depending on the type of printing media, and
wherein the step (b) generates the color conversion information
using the standard color conversion information corresponding to the
type of the printing media that is selected by a user.

10 13. A printing control method in accordance with claim 11,
wherein the multiple sets of the standard color conversion
information are preset depending on the type of print modes, and
wherein the step (b) generates the color conversion information
using the standard color conversion information corresponding to the
15 type of the printing mode that is selected by the user.

14. A printing control method in accordance with claim 8,
wherein the step (a) detects operating condition of the individual
printing device and specifies the printing device for carrying out the
20 printing, based on the detected operating condition.

15. A computer readable recording medium in which a computer
program that causes a plurality of printing devices to carry out printing
with transmission of image data upon input of the image data expressed
25 in a first color system and process of color conversion into the image
data in a second color system is recorded, the computer readable
recording medium causing the computer to perform the functions of:
specifying the printing device among the plurality of printing
devices for carrying out the printing;

30 setting color conversion information corresponding to the

specified printing device, the color conversion information defining the color conversion; and

transmitting the image data and the color conversion information to the specified printing device.

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16. A computer readable recording medium in accordance with claim 15, wherein the plurality of printing devices include a plurality of color printing devices.

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17. A computer readable recording medium in accordance with claim 15, wherein a group of the color conversion information is defined in the format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system.

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18. A computer readable recording medium in accordance with claim 15,

the color conversion information setting function comprising the functions of:

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referring standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for correcting the standard color conversion information, the multiple sets of the correction data being preset to respective printing devices; and

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generating the color conversion information based on the standard color conversion information and the correction data corresponding to the specified printing device.

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19. A computer readable recording medium in accordance with claim 18, wherein the multiple sets of the standard color conversion

information are preset depending on the type of printing media, and
wherein the color conversion information setting function generates the color conversion information using the standard color conversion information corresponding to the printing media that is
5 selected by a user.

20. A computer readable recording medium in accordance with claim 18, wherein the multiple sets of the standard color conversion information are preset depending on the type of print modes, and
10 wherein the color conversion information setting function generates the color conversion information using the standard color conversion information corresponding to the print mode that is selected by the user.
- 15 21. A computer readable recording medium in accordance with claim 15, wherein the specification function detects operating condition of the individual printing device and specifies the printing device for carrying out the printing, based on the detected operating condition.